```
=> b reg
FILE 'REGISTRY' ENTERED AT 15:15:55 ON 15 MAY 2008
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STRUCTURE FILE UPDATES:   14 MAY 2008  HIGHEST RN 1020941-66-5
DICTIONARY FILE UPDATES:  14 MAY 2008  HIGHEST RN 1020941-66-5

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

  Please note that search-term pricing does apply when
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predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> d que sta l6
L4              STR
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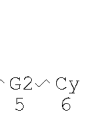


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REP G2=(0-1) AK
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DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   7

STEREO ATTRIBUTES: NONE
L6         3927 SEA FILE=REGISTRY SSS FUL L4

100.0% PROCESSED   12784 ITERATIONS                          3927 ANSWERS
SEARCH TIME: 00.00.01



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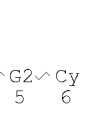


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GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
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STEREO ATTRIBUTES: NONE
L6          3927 SEA FILE=REGISTRY SSS FUL L4
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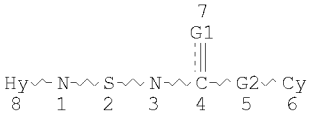


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REP G2=(0-1) AK
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DEFAULT ECLEVEL IS LIMITED
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GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   8

STEREO ATTRIBUTES: NONE
L9            40 SEA FILE=REGISTRY SUB=L6 SSS FUL L7

100.0% PROCESSED    3927 ITERATIONS                          40 ANSWERS
SEARCH TIME: 00.00.01



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For an explanation, enter "HELP DISPLAY QUERY".

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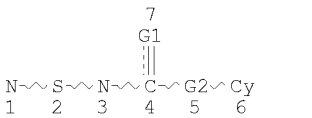


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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   7

STEREO ATTRIBUTES: NONE
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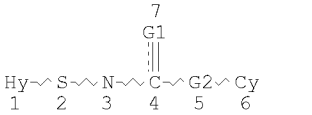


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REP G2=(0-1) AK
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DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
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GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   7
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STEREO ATTRIBUTES: NONE
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100.0% PROCESSED    3927 ITERATIONS                          122 ANSWERS
SEARCH TIME: 00.00.01



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FILE COVERS 1907 - 15 May 2008  VOL 148 ISS 20
FILE LAST UPDATED: 14 May 2008  (20080514/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

=> d bib abs hitrn fhitstr l19 tot
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L19 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 2003:796680 HCAPLUS
DN 139:307797
TI Preparation of piperazinyl- or piperidinylamine-sulfamic acid amides as inhibitors of steroid sulfatase
IN Lehr, Philipp
PA Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.
SO PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|---|
| PI | WO--2003082842 | A1 | 20031009 | 2003WO-EP003214 | 20030327 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LT, LU, LV, MA, MD, MK, MN, MX, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SE, SG, SK, TJ, TM, TN, TR, TT, UA, US, UZ, VC, VN, YU, ZA, ZW | | | | |
| | RW: AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR | | | | |
| | CA-----2480686 | A1 | 20031009 | 2003CA-002480686 | 20030327 |
| | AU--2003226732 | A1 | 20031013 | 2003AU-000226732 | 20030327 |
| | EP-----1492782 | A1 | 20050105 | 2003EP-000745281 | 20030327 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| | BR--2003008795 | A | 20050118 | 2003BR-000008795 | 20030327 |
| | CN-----1646509 | A | 20050727 | 2003CN-000808336 | 20030327 |
| | JP--2005526812 | T | 20050908 | 2003JP-000580309 | 20030327 |
| | NZ------535617 | A | 20060428 | 2003NZ-000535617 | 20030327 |
| | IN-2004CN02142 | A | 20060303 | 2004IN-CN00002142 | 20040927 |
| | MX-2004PA09453 | A | 20050125 | 2004MX-PA0009453 | 20040928 |
| | NO--2004004321 | A | 20041012 | 2004NO-000004321 | 20041012 |
| | US-20060052393 | A1 | 20060309 | 2005US-000509259 | 20050503 |
| | ZA----200407853 | A | 20060531 | 2004ZA-000007853 | 20051213 |
| PRAI | 2002GB-000007500 | A | 20020328 | | |
| | 2002GB-000025679 | A | 20021104 | | |
| | 2003WO-EP003214 | W | 20030327 | | |

OS MARPAT 139:307797
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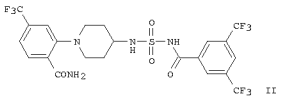
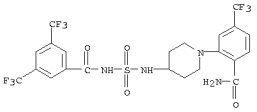


AB The title compds. R1NR2SO2NHCOR3 [I; NR1R2 = piperazino (wherein the second N atom is substituted by alkoxycarbonyl or aryl) ; or R1 = H and R2 = piperidinyl, attached via a carbon atom of the piperidinyl ring (wherein N is substituted by alkoxycarbonyl or aryl); R3 = aryl, arylalkyl], useful for the manufacture of a medicament in diseases mediated by the action of steroid sulfatase, were prepared E.g., a 5-step synthesis of II (starting from 4-benzylaminopiperidine-1-carboxylic acid tert-Bu ester and sulfamide), was given. The compds. I show activity in the assay of human steroid sulfatase (rel IC50 in the range of 0.0046 to 350). Pharmaceutical composition comprising the compound I is claimed.
IT 610798-69-1P 610798-74-8P 610798-79-3P
610798-81-7P 610798-84-0P 610798-86-2P
610798-88-4P 610798-90-8P 610798-93-1P
610798-94-2P 610798-95-3P 610798-96-4P
610798-97-5P 610798-98-6P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU

L19 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of piperazinyl- or piperidinylamine-sulfamic acid amides as inhibitors of steroid sulfatase)
IT 610799-00-3P 610799-01-4P 610799-02-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of piperazinyl- or piperidinylamine-sulfamic acid amides as inhibitors of steroid sulfatase)
IT 610798-69-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of piperazinyl- or piperidinylamine-sulfamic acid amides as inhibitors of steroid sulfatase)
RN 610798-69-1 HCAPLUS
CN Benzamide, N-[[[1-[2-(aminocarbonyl)-5-(trifluoromethyl)phenyl]-4-piperidinyl]amino]sulfonyl]-3,5-bis(trifluoromethyl)- (CA INDEX NAME)



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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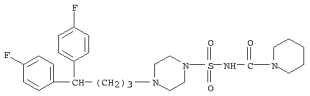
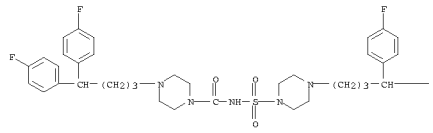
L29 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 1997:706250 HCAPLUS
DN 127:358493
TI Solid phase synthesis of substituted aminosulfonylureas using a sulfonylcarbamate linker
AU Fitzpatrick, Louis J.; Rivero, Ralph A.
CS Drug Discovery, The R. W. Johnson Pharmaceutical Research Institute, PA, 19477, USA
SO Tetrahedron Letters (1997), 38(43), 7479-7482
CODEN: TELEAY; ISSN: 0040-4039
PB Elsevier
DT Journal
LA English
AB A procedure for preparing substituted aminosulfonylureas on solid support is described. Chemoselective reaction of chlorosulfonyl isocyanate with the Wang resin followed by reaction with an amine provides resin-bound substituted aminosulfonylcarbamates. Heating of the resultant resin in THF with a second amine provides the desired substituted aminosulfony ureas in good yield and purity.
IT 198706-00-2P 198706-05-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(solid phase synthesis of substituted aminosulfonylureas using a sulfonylcarbamate linker)
RN 198706-00-2 HCAPLUS
CN 1-Piperidinecarboxamide, N-[[4-[4,4-bis(4-fluorophenyl)butyl]-1-piperazinyl]sulfonyl]- (CA INDEX NAME)



RN 198706-05-7 HCAPLUS
CN 1-Piperazinecarboxamide, 4-[4,4-bis(4-fluorophenyl)butyl]-N-[[4-[4,4-bis(4-fluorophenyl)butyl]-1-piperazinyl]sulfonyl]- (CA INDEX NAME)

PAGE 1-A



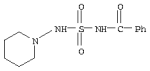
PAGE 1-B

L29 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2008 ACS on STN (Continued)
RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L29 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2008 ACS on STN
AN 1954:68234 HCAPLUS
DN 48:68234
OREF 48:12172c-f
TI Sulfamide derivatives
IN Hamann, Karl
PA Farbenfabriken Bayer A.-G.
DT Patent
LA Unavailable
FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| PI DE------876846 | | 19530518 | 1943DE-F00002350 | 19430601 <-- |

AB $SO_2(NH_2)_2$ (I) or its N-substituted products containing at least 1 replaceable H atom linked to the N atom are treated with an acylating agent, possibly in the presence of an inert solvent and (or) acid-binding agent, to give sulfamide derivs. useful as intermediates in the manufacture of dyes or remedies. $Ac_2O$ 102 added within 0.5 hr. to I 48 in glacial AcOH 102 parts by weight at 70°, the mixture stirred about 3 hrs. at 70°, and the product which ppts. on cooling filtered and recrystd. from EtOH gives $SO_2(NHAc)_2$, 70 parts, oblong, colorless needles, m. 153-4°. Similarly are prepared: $SO_2(NHCOPr)_2$, oblong needles, m. 155-6°, from I and PrCO2H; $H_2NSO_2NHBz$, m. 161-2°, from I and BzCl; p-ClC6H4CONHSO2NHBu, oblong needles, m. 183-4°, from $H_2NSO_2NHBu$ and p-ClC6H4COCl; N-cyclohexyl-N'-benzoylsulfamide, 187-8°, from C6H11NHSO2NH2 and BzCl; N-piperidino-N'-benzoylsulfamide, m. 146-7°, from C5H10NHSO2NH2 and BzCl.
IT 855263-41-1P, Benzamide, N-(piperidinosulfamoyl)-
RL: PREP (Preparation)
(preparation of)
RN 855263-41-1 HCAPLUS
CN Benzamide, N-[(1-piperidinylamino)sulfonyl]- (CA INDEX NAME)



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CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATOLD' ENTERED AT 15:17:29 ON 15 MAY 2008
CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 15:17:29 ON 15 MAY 2008
CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

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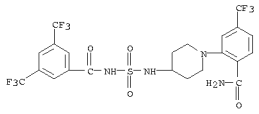
L30 ANSWER 1 OF 1 USPATFULL on STN
AN 2006:61223 USPATFULL
TI Piperazinyl-or piperidinylamine-sulfamic acid amides as inhibitors of steroid sulfatase
IN Lehr, Philipp, Moedling, AUSTRIA
PI US-20060052393 A1 20060309
AI 2003US-000509259 A1 20030327 (10)
2003WO-EP0003214 20030327
20050503 PCT 371 date
PRAI 2002GB-000007500 20020328
2002GB-000025679 20021104
DT Utility
FS APPLICATION
LREP NOVARTIS, CORPORATE INTELLECTUAL PROPERTY, ONE HEALTH PLAZA 104/3, EAST HANOVER, NJ, 07936-1080, US
CLMN Number of Claims: 10
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 708
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Piperazinyl- or piperidinylamine-sulfamic acid amides and their use for the manufacture of a medicament in diseases mediated by the action of steriod sulfatase.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 610798-69-1P 610798-74-8P 610798-79-3P
610798-81-7P 610798-84-0P 610798-86-2P
610798-88-4P 610798-90-8P 610798-93-1P
610798-94-2P 610798-95-3P 610798-96-4P
610798-97-5P 610798-98-6P
(preparation of piperazinyl- or piperidinylamine-sulfamic acid amides as inhibitors of steroid sulfatase)
IT 610799-00-3P 610799-01-4P 610799-02-5P
(preparation of piperazinyl- or piperidinylamine-sulfamic acid amides as inhibitors of steroid sulfatase)
IT 610798-69-1P
(preparation of piperazinyl- or piperidinylamine-sulfamic acid amides as inhibitors of steroid sulfatase)
RN 610798-69-1 USPATFULL
CN Benzamide, N-[[[1-[2-(aminocarbonyl)-5-(trifluoromethyl)phenyl]-4-piperidinyl]amino]sulfonyl]-3,5-bis(trifluoromethyl)- (CA INDEX NAME)

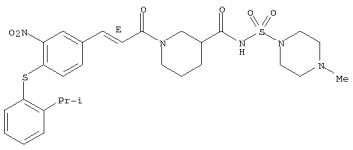


=> d bib abs hitstr l37 tot

L37 ANSWER 1 OF 24 USPATFULL on STN
AN 2006:184487 USPATFULL
TI Cell adhesion-inhibiting antiinflammatory and immune-suppressive compounds
IN Link, James T., Evanston, IL, UNITED STATES
Liu, Gang, Gurnee, IL, UNITED STATES
Pei, Zhonghua, Libertyville, IL, UNITED STATES
von Geldern, Tom, Richmond, IL, UNITED STATES
Winn, Martin, Deerfield, IL, UNITED STATES
Xin, Zhili, Lake Bluff, IL, UNITED STATES
PA Abbott Laboratories, Abbott Park, IL, UNITED STATES (U.S. corporation)
PI US-------39197 E1 20060718
US-----6110922 20000829 (Original) <--
AI 2002US-000356794 20020829 (10)
1998US-000222491 19981229 (Original) <--
DT Reissue
FS GRANTED
EXNAM Primary Examiner: Shameem, Golam M. M.
LREP Finnegan, Henderson, Farabow, Garrett & Dunner LLP
CLMN Number of Claims: 35
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 3136
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to novel cinnamide compounds that are useful for treating inflammatory and immune diseases, to pharmaceutical compositions comprising these compounds, and to methods of inhibiting inflammation or suppressing immune response in a mammal.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 280750-91-6P
(preparation and antiinflammatory, immune suppressant and cell adhesion inhibiting activity)
RN 280750-91-6 USPATFULL
CN 3-Piperidinecarboxamide, 1-[(2E)-3-[4-[[2-(1-methylethyl)phenyl]thio]-3-nitrophenyl]-1-oxo-2-propenyl]-N-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)

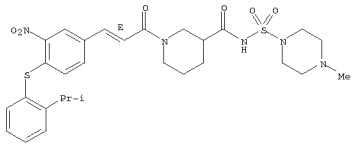
Double bond geometry as shown.



L37 ANSWER 2 OF 24 USPATFULL on STN
AN 2005:287502 USPATFULL
TI Cell adhesion-inhibiting antiinflammatory and immune-suppressive compounds
IN Link, James, Evanston, IL, UNITED STATES
Liu, Gang, Gurnee, IL, UNITED STATES
Pei, ZhongHua, Libertyville, IL, UNITED STATES
Geldern, Tom von, Richmond, IL, UNITED STATES
Winn, Martin, Deerfield, IL, UNITED STATES
Xin, Zhili, Lake Bluff, IL, UNITED STATES
Boyd, Steven A., Mundelein, IL, UNITED STATES
Zhu, Gui-Dong, Gurnee, IL, UNITED STATES
Freeman, Jennifer C., Grayslake, IL, UNITED STATES
Gunawardana, Indrani W., Libertyville, IL, UNITED STATES
Staeger, Michael A., Greenfield, WI, UNITED STATES
Jae, Hwan-Soo, Glencoe, IL, UNITED STATES
Lynch, John K., Kenosha, WI, UNITED STATES
Wang, Sheldon, Carmel, IN, UNITED STATES
PA Abbott Laboratories (U.S. corporation)
PI US-20050250768 A1 20051110
AI 2004US-000921965 A1 20040820 (10)
RLI Continuation of Ser. No. 2000US-000541795, filed on 31 Mar 2000, GRANTED, Pat. No. US-----6878700 Continuation-in-part of Ser. No. 1999US-000474517, filed on 29 Dec 1999, ABANDONED
PRAI 1998US-000114097P 19981229 (60) <--
DT Utility
FS APPLICATION
LREP FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, LLP, 901 NEW YORK AVENUE, NW, WASHINGTON, DC, 20001-4413, US
CLMN Number of Claims: 33
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 9843
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to novel cinnamide compounds that are useful for treating inflammatory and immune diseases, to pharmaceutical compositions containing these compounds, and to methods of inhibiting inflammation or suppressing immune response in a mammal.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 280750-91-6P
(preparation of (phenylthio)cinnamides as cell adhesion inhibitors by coupling of thiophenols with halobenzaldehydes, conversion to cinnamic acids, amidation, and optional derivatization)
RN 280750-91-6 USPATFULL
CN 3-Piperidinecarboxamide, 1-[(2E)-3-[4-[[2-(1-methylethyl)phenyl]thio]-3-nitrophenyl]-1-oxo-2-propenyl]-N-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L37 ANSWER 3 OF 24 USPATFULL on STN
AN 2005:89370 USPATFULL
TI Cell adhesion-inhibiting antiinflammatory and immune-suppressive compounds
IN Link, James, Evanston, IL, UNITED STATES
Liu, Gang, Gurnee, IL, UNITED STATES
Pei, ZhongHua, Libertyville, IL, UNITED STATES
von Geldern, Tom, Richmond, IL, UNITED STATES
Winn, Martin, Deerfield, IL, UNITED STATES
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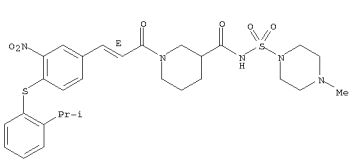
Lynch, John K., Kenosha, WI, UNITED STATES
Wang, Sheldon, Carmel, IN, UNITED STATES
PA Abbott Laboratories, Abbott Park, IL, UNITED STATES (U.S. corporation)
PI US-----6878700 B1 20050412
AI 2000US-000541795 20000331 (9) <--
RLI Continuation-in-part of Ser. No. 1999US-000474517, filed on 29 Dec 1999, PENDING
PRAI 1998US-000114097P 19981229 (60) <--
DT Utility
FS GRANTED
EXNAM Primary Examiner: Raymond, Richard L.; Assistant Examiner: Patel, Sudhaker B.
LREP Finnegan, Henderson, Farabow, Garrett & Dunner LLP
CLMN Number of Claims: 7
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 9995
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to novel cinnamide compounds that are useful for treating inflammatory and immunune diseases, to pharmaceutical compositions containing these compounds, and to methods of inhibiting inflammation or suppressing immune response in a mammal.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 280750-91-6P
(preparation of (phenylthio)cinnamides as cell adhesion inhibitors by coupling of thiophenols with halobenzaldehydes, conversion to cinnamic acids, amidation, and optional derivatization)
RN 280750-91-6 USPATFULL
CN 3-Piperidinecarboxamide, 1-[(2E)-3-[4-[[2-(1-methylethyl)phenyl]thio]-3-nitrophenyl]-1-oxo-2-propenyl]-N-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L37 ANSWER 4 OF 24 USPATFULL on STN
AN 2004:280871 USPATFULL
TI URACIL SUBSTITUTED PHENYL SULFAMOYL CARBOXAMIDES
IN Carlsen, Marianne, Yardley, PA, UNITED STATES
Guaciaro, Michael Anthony, Hightstown, NJ, UNITED STATES
Takasugi, James Jan, Lawrenceville, NJ, UNITED STATES
PI US-20040220172 A1 20041104
US-----6849618 B2 20050201
AI 2003US-000684940 A1 20031015 (10)
RLI Division of Ser. No. 2003US-000347920, filed on 22 Jan 2003, GRANTED, Pat. No. US-----6689773 Division of Ser. No. 2001US-000848881, filed on 4 May 2001, GRANTED, Pat. No. US-----6534492
PRAI 2000US-000201824P 20000504 (60) <--
DT Utility
FS APPLICATION
LREP KEIL & WEINKAUF, 1350 CONNECTICUT AVENUE, N.W., WASHINGTON, DC, 20036
CLMN Number of Claims: 15
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2634
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Novel uracil substituted phenyl sulfanoyl carboxamides I ##STR1##

and salts thereof, where

A=oxygen or sulfur;

X.sup.1=H, halogen, C.sub.1-C.sub.4-alkyl;

X.sup.2=H, CN, CS--NH.sub.2, halogen, C.sub.1-C.sub.4-alkyl, C.sub.1-C.sub.4-haloalkyl;

X.sup.3=H, CN, C.sub.1-C.sub.6-alkyl, C.sub.1-C.sub.6-alkoxyalkyl, C.sub.3-C.sub.7-cycloalkyl, C.sub.3-C.sub.6-alkenyl, C.sub.3-C.sub.6-alkynyl, optionally substituted benzyl;

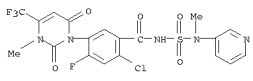
R.sup.1, R.sup.2=H, halogen, optionally substituted hydroxy, C.sub.1-C.sub.10-alkyl, C.sub.2-C.sub.10-alkenyl, C.sub.3-C.sub.10-alkynyl, C.sub.3-C.sub.7-cycloalkyl, phenyl, benzyl or C.sub.5-C.sub.7-cycloalkenyl,

or R.sup.1+R.sup.2 together with the atom to which they are attached form a 3- to 7-membered heterocyclic ring;

Q is selected from Q.sup.1 to Q.sup.40 as defined in the description.

Use: As herbicides; for the desiccation/defoliation of plants.

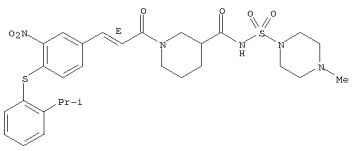
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 372137-32-1P
(preparation of uracil substituted N-sulfamoyl benzamides as herbicides)
RN 372137-32-1 USPATFULL
CN Benzamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-[(methyl-3-pyridinylamino)sulfonyl]- (CA INDEX NAME)



L37 ANSWER 5 OF 24 USPATFULL on STN
AN 2004:152296 USPATFULL
TI Cell adhesion-inhibiting antiinflammatory and immune-suppressive compounds
IN Gunawardana, Indrani W., Libertyville, IL, UNITED STATES
PA Abbott Laboratories (U.S. corporation)
PI US-20040116518 A1 20040617
US-----6867203 B2 20050315
AI 2003US-000725212 A1 20031201 (10)
RLI Continuation of Ser. No. 2000US-000695040, filed on 24 Oct 2000, PENDING Continuation-in-part of Ser. No. 2000US-000541795, filed on 31 Mar 2000, PENDING Continuation-in-part of Ser. No. 1999US-000474517, filed on 29 Dec 1999, ABANDONED
PRAI 1998US-000114097P 19981229 (60) <--
DT Utility
FS APPLICATION
LREP FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, LLP, 1300 I STREET, NW, WASHINGTON, DC, 20005
CLMN Number of Claims: 33
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 10340
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to novel cinnamide compounds that are useful for treating inflammatory and immune diseases and cerebral vasospasm, to pharmaceutical compositions containing these compounds, and to methods of inhibiting inflammation or suppressing immune response in a mammal.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 280750-91-6P
(preparation of (phenylthio)cinnamides as cell adhesion inhibitors by coupling of thiophenols with halobenzaldehydes, conversion to cinnamic acids, amidation, and optional derivatization)
RN 280750-91-6 USPATFULL
CN 3-Piperidinecarboxamide, 1-[(2E)-3-[4-[[2-(1-methylethyl)phenyl]thio]-3-nitrophenyl]-1-oxo-2-propenyl]-N-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L37 ANSWER 6 OF 24 USPATFULL on STN
AN 2003:319192 USPATFULL
TI Uracil substituted phenyl sulfamoyl carboxamides
IN Carlsen, Marianne, Yardley, PA, UNITED STATES
Guaciaro, Michael Anthony, Hightstown, NJ, UNITED STATES
Takasugi, James Jan, Lawrenceville, NJ, UNITED STATES
PI US-20030224941 A1 20031204
US-----6689773 B2 20040210
AI 2003US-000347920 A1 20030122 (10)
RLI Division of Ser. No. 2001US-000848881, filed on 4 May 2001, GRANTED, Pat. No. US-----6534492
PRAI 2000US-000201824P 20000504 (60) <--
DT Utility
FS APPLICATION
LREP KEIL & WEINKAUF, 1350 CONNECTICUT AVENUE, N.W., WASHINGTON, DC, 20036
CLMN Number of Claims: 15
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2641
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Novel uracil substituted phenyl sulfamoyl carboxamides I ##STR1##

and salts thereof, where

A=oxygen or sulfur;

X.sup.1=H, halogen, C.sub.1-C.sub.4-alkyl;

X.sup.2=H, CN, CS--NH.sub.2, halogen, C.sub.1-C.sub.4-alkyl, C.sub.1-C.sub.4-haloalkyl;

X.sup.3=H, CN, C.sub.1-C.sub.6-alkyl, C.sub.1-C.sub.6-alkoxyalkyl, C.sub.3-C.sub.7-cycloalkyl, C.sub.3-C.sub.6-alkenyl, C.sub.3-C.sub.6-alkynyl, optionally substituted benzyl;

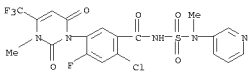
R.sup.1, R.sup.2=H, halogen, optionally substituted hydroxy, C.sub.1-C.sub.10-alkyl, C.sub.2-C.sub.10-alkenyl, C.sub.3-C.sub.10-alkynyl, C.sub.3-C.sub.7-cycloalkyl, phenyl, benzyl or C.sub.5-C.sub.7-cycloalkenyl,

or R.sup.1+R.sup.2 together with the atom to which they are attached form a 3- to 7-membered heterocyclic ring;

Q is selected from Q.sup.1 to Q.sup.40 as defined in the description.

Use: As herbicides; for the desiccation/defoliation of plants.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 372137-32-1P
(preparation of uracil substituted N-sulfamoyl benzamides as herbicides)
RN 372137-32-1 USPATFULL
CN Benzamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-[(methyl-3-pyridinylamino)sulfonyl]- (CA INDEX NAME)



L37 ANSWER 7 OF 24 USPATFULL on STN
AN 2002:85508 USPATFULL
TI Uracil substituted phenyl sulfamoyl carboxamides
IN Carlsen, Marianne, Yardley, PA, UNITED STATES
Guaciaro, Michael Anthony, Hightstown, NJ, UNITED STATES
Takasugi, James Jan, Lawrenceville, NJ, UNITED STATES
PA Intellectual Property Department BASF Aktiengesellschaft, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF (U.S. corporation)
PI US-20020045550 A1 20020418 <--
US-----6534492 B2 20030318
AI 2001US-000848881 A1 20010504 (9) <--
PRAI 2000US-000201824P 20000504 (60) <--
DT Utility
FS APPLICATION
LREP BASF Corporation, Intellectual Property Department, P.O. Box 400, Princeton, NJ, 08543-0400
CLMN Number of Claims: 15
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2605
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Novel uracil substituted phenyl sulfamoyl carboxamides I ##STR1##

and salts thereof, where

A=oxygen or sulfur;

X.sup.1=H, halogen, C.sub.1-C.sub.4-alkyl;

X.sup.2=H, CN, CS--NH.sub.2, halogen, C.sub.1-C.sub.4-alkyl, C.sub.1-C.sub.4-haloalkyl;

X.sup.3=H, CN, C.sub.1-C.sub.6-alkyl, C.sub.1-C.sub.6-alkoxyalkyl, C.sub.3-C.sub.7-cycloalkyl, C.sub.3-C.sub.6-alkenyl, C.sub.3-C.sub.6-alkynyl, optionally substituted benzyl;

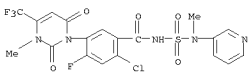
R.sup.1, R.sup.2=H, halogen, optionally substituted hydroxy, C.sub.1-C.sub.10-alkyl, C.sub.2-C.sub.10-alkenyl, C.sub.3-C.sub.10-alkynyl, C.sub.3-C.sub.7-cycloalkyl, phenyl, benzyl or C.sub.5-C.sub.7-cycloalkenyl,

or R.sup.1+R.sup.2 together with the atom to which they are attached form a 3- to 7-membered heterocyclic ring;

Q is selected from Q.sup.1 to Q.sup.40 as defined in the description.

Use: As herbicides; for the desiccation/defoliation of plants.

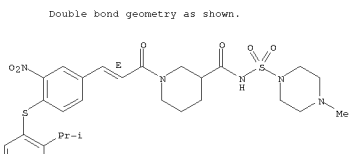
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 372137-32-1P
(preparation of uracil substituted N-sulfamoyl benzamides as herbicides)
RN 372137-32-1 USPATFULL
CN Benzamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-[(methyl-3-pyridinylamino)sulfonyl]- (CA INDEX NAME)



L37 ANSWER 8 OF 24 USPATFULL on STN
AN 2000:113949 USPATFULL
TI Cell adhesion-inhibiting antiinflammatory and immune-suppressive compounds
IN Link, James, Evanston, IL, United States
Liu, Gang, Gurnee, IL, United States
Pei, Zhonghua, Libertyville, IL, United States
Geldern, Tom von, Richmond, IL, United States
Winn, Martin, Deerfield, IL, United States
Xin, Zhili, Gurnee, IL, United States
PA Abbott Laboratories, Abbott Park, IL, United States (U.S. corporation)
PI US-----6110922 20000829 <--
AI 1998US-000222491 19981229 (9) <--
DT Utility
FS Granted
EXNAM Primary Examiner: McKane, Joseph; Assistant Examiner: Murray, Joseph
LREP Strode, Janelle D.
CLMN Number of Claims: 19
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2249
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to novel cinnamide compounds that are useful for treating inflammatory and immune diseases, to pharmaceutical compositions comprising these compounds, and to methods of inhibiting inflammation or suppressing immune response in a mammal.

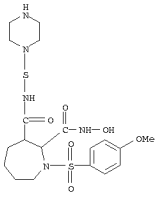
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 280750-91-6P
(preparation and antiinflammatory, immune suppressant and cell adhesion inhibiting activity)
RN 280750-91-6 USPATFULL
CN 3-Piperidinecarboxamide, 1-[(2E)-3-[4-[[2-(1-methylethyl)phenyl]thio]-3-nitrophenyl]-1-oxo-2-propenyl]-N-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



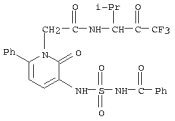
L37 ANSWER 9 OF 24 USPATFULL on STN
AN 2000:109796 USPATFULL
TI Azepine or larger medium ring derivatives and methods of use
IN Russo-Rodriguez, Sandra E., Superior, CO, United States
Koch, Kevin, Boulder, CO, United States
Termin, Andreas, Encinitas, CA, United States
Hummel, Conrad, Louisville, CO, United States
PA Amgen Inc., Thousand Oaks, CA, United States (U.S. corporation)
PI US-----6107291 20000822 <--
AI 1998US-000213077 19981216 (9) <--
PRAI 1997US-000068227P 19971219 (60) <--
DT Utility
FS Granted
EXNAM Primary Examiner: Shah, Mukund J.; Assistant Examiner: Sripada, Pavanaram K
LREP Ungemach, Frank, Odre, Steven M.
CLMN Number of Claims: 25
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 4958
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Selected novel azepine and larger medium ring compounds are effective for prophylaxis and treatment of inflammation, tissue degradation and related diseases. The invention encompasses novel compounds, analogs, prodrugs and pharmaceutically acceptable salts thereof, pharmaceutical compositions and methods for prophylaxis and treatment of inflamation, tissue degradation and related diseases. The subject invention also relates to processes for making such compounds as well as to intermediates useful in such processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 228548-88-7P
(preparation of azepinehydroxamates and related compds. as inhibitors of metalloproteinase and tumor necrosis factor release)
RN 228548-88-7 USPATFULL
CN 1H-Azepine-2,3-dicarboxamide, hexahydro-N2-hydroxy-1-[(4-methoxyphenyl)sulfonyl]-N3-(1-piperazinylthio)- (CA INDEX NAME)



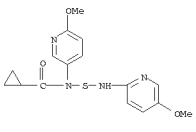
L37 ANSWER 10 OF 24 USPATFULL on STN
AN 96:46037 USPATFULL
TI Heterocyclic amides
IN Bernstein, Peter R., Wallingford, PA, United States
Shaw, Andrew, Kennett Square, PA, United States
Thomas, Royston M., Macclesfield, England
Warner, Peter, Macclesfield, England
Wolanin, Donald J., Orange, CT, United States
PA Zeneca Limited, London, England (non-U.S. corporation)
PI US-----5521179 19960528 <--
AI 1993US-000045009 19930408 (8) <--
RLI Continuation-in-part of Ser. No. 1992US-000869993, filed on 16 Apr 1992, now abandoned
PRAI 1991GB-000008357 19910418 <--
1991GB-000008358 19910418 <--
1992GB-000005392 19920312 <--
1992GB-000008379 19920416 <--
1992GB-000008380 19920416 <--
1992GB-000014448 19920708 <--
1992GB-000017362 19920814 <--
1992GB-000017363 19920814 <--
1992GB-000017364 19920814 <--
DT Utility
FS Granted
EXNAM Primary Examiner: Ivy, C. Warren; Assistant Examiner: Compton, Raymond
LREP Alexander, Michael D., Newtson, Ruth H., Harris, Robert J.
CLMN Number of Claims: 14
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 7408
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to certain novel heterocyclic amides which are 1-pyridylacetamide compounds of formula I, set out herein, which are inhibitors of human leukocyte elastase (HLE), also known as human neutrophil elastase (HNE), making them useful whenever such inhibition is desired, such as for research tools in pharmacological, diagnostic and related studies and in the treatment of diseases in mammals in which HLE is implicated. The invention also includes intermediates useful in the synthesis of these heterocyclic amides, processes for preparing the heterocyclic amides, pharmaceutical compositions containing such heterocyclic amides and methods for their use.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 159290-57-0P
(2-(2-oxo-1,2-dihydro-1-pyridyl)-N-[3,3,3-trifluoro-1-(lower alkyl)-2-oxopropyl]acetamide derivs. as inhibitors of human leukocyte elastase)
RN 159290-57-0 USPATFULL
CN 1(2H)-Pyridineacetamide, 3-[[(benzoylamino)sulfonyl]amino]-2-oxo-6-phenyl-N-[3,3,3-trifluoro-1-(1-methylethyl)-2-oxopropyl]- (CA INDEX NAME)



L37 ANSWER 11 OF 24 USPATFULL on STN
AN 90:95097 USPATFULL
TI Fungicidal N-(substituted thio)-pyridyl cyclopropane carboxamides
IN Baker, Don R., Orinda, CA, United States
Brownell, Keith H., San Jose, CA, United States
PA ICI Americas Inc., Wilmington, DE, United States (U.S. corporation)
PI US-----4977164 19901211 <--
AI 1988US-000250477 19880928 (7) <--
RLI Continuation-in-part of Ser. No. 1988US-000193619, filed on 13 May 1988, now abandoned which is a division of Ser. No. 1987US-000036544, filed on 15 Apr 1987, now patented, Pat. No. US-----4766135 which is a continuation-in-part of Ser. No. 1986US-000029115, filed on 23 Mar 1986, now abandoned which is a continuation of Ser. No. 1986US-000859170, filed on 2 May 1986, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Rotman, Alan L.
LREP Bradley, Michael J.
CLMN Number of Claims: 5
ECL Exemplary Claim: 1,4
DRWN No Drawings
LN.CNT 406
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Novel fungicidal pyridyl cyclopropane carboxamides having the general structural formula ##STR1## wherein R is selected from the group consisting of haloalkyl, preferably C.sub.1 -C.sub.3 haloalkyl, C.sub.1 -C.sub.8 alkyl, aryl, substituted aryl, and arylalkyl wherein the preferred aryl is phenyl, the alkyl is C.sub.1 -C.sub.3 alkyl and the preferred substitutions are Cl, Br, F and nitro, alkanoyl, preferably C.sub.1 -C.sub.4 alkanoyl, ##STR2## wherein R.sub.3 and R.sub.4 can be alkyl, alkanoyl, alkoxycarbanoyl, benzyl, pyridyl and substituted pyridyl, and when R.sub.3 and Rhd 4 are alkyl together with --N they can form a heterocyclic ring such as piperidine, R.sub.1 -C.sub.3 alkoxy or C.sub.1 -C.sub.3 haloalkoxy, preferably methoxy or halomethoxy and halogen wherein the halogen is chlorine, bromine or fluorine, R.sub.2 is hydrogen or methyl, and fungicidally acceptable organic and inorganic salts thereof which are highly effective fungicides for use both as preventive and curative fungicides are disclosed herein. These compounds provide excellent control of fungal growth.

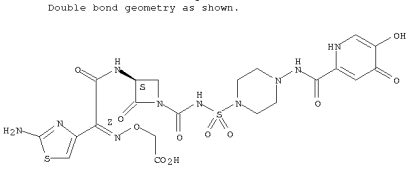
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 112959-87-2P
(preparation of, as agrochem. fungicide)
RN 112959-87-2 USPATFULL
CN Cyclopropanecarboxamide, N-(6-methoxy-3-pyridinyl)-N-[[(5-methoxy-2-pyridinyl)amino]thio]- (CA INDEX NAME)



L37 ANSWER 12 OF 24 USPATFULL on STN
AN 90:93265 USPATFULL
TI Antibiotic sulfonylaminocarbonyl activated beta-lactams
IN Barbachyn, Michael R., Kalamazoo, MI, United States
Brickner, Steven J., Portage, MI, United States
Thomas, Richard C., Oshtemo Township, Kalamazoo County, MI, United States
PA The Upjohn Company, Kalamazoo, MI, United States (U.S. corporation)
PI US-----4975538 19901204 <--
WO-----8806588 19880907 <--
AI 1989US-000435527 19890825 (7) <--
1988WO-US0000404 19880219 <--
19890825 PCT 371 date
19890825 PCT 102(e) date
DT Utility
FS Granted
EXNAM Primary Examiner: Berch, Mark L.
LREP Busse, Paul W., Corneglio, Donald L.
CLMN Number of Claims: 24
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2016
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention presents novel 2-azetidinone compounds which are useful as antibacterial agents to eradicate or control susceptible microbes of the formula ##STR1## wherein R.sub.401 and R.sub.402 are the same or different and are (a) hydrogen, (b) (C.sub.1 -C.sub.12) alkyl (c) (C.sub.2 -C.sub.8) alkenyl, (d) (C.sub.2 -C.sub.8) alkynyl, (e) (C.sub.3 -C.sub.10) cycloalkyl, (f) phenyl optionally substituted with from one to 3 substituents selected from the group consisting of halogen, hydroxy, amino, nitro, (C.sub.1 -C.sub.4) alkyl, and (C.sub.1 -C.sub.4) alkoxy, (g) benzyl optionally substituted with from one to 3 substituents selected from the group consisting of halogen, hydroxy, amino, nitro, (C.sub.1 -C.sub.4) alkyl, and (C.sub.1 -C.sub.4) alkoxy, (h) --CH.sub.2 --O--CO--CH.sub.2 --NHR.sub.420, (i) --CH.sub.2 --O--CO.sub.2 --R.sub.430, (j) --CH.sub.2 F, or (k) --CHF.sub.2 ; wherein R.sub.420 is (a) hydrogen, (b) --COH, or (c) --CO--O--C(CH.sub.3).sub.3 ; wherein R.sub.430 is (C.sub.1 -C.sub.8) alkyl, --(CH.sub.2) .sub.2 OC(O)NH.sub.2, --(CH.sub. 2).sub.2 Cl, --(CH.sub.2).sub.2 OCH.sub.3 or --(CH.sub.2).sub.2 NHCOH; wherein R.sub.300 is an acyl group derived from a carboxylic acid; wherein R.sub.100 is an optionally substituted heterocyclic moiety of Formula 2, 3, 4 or 5 ##STR2##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 119735-83-0P 119735-84-1P
(preparation of, as antibacterial agent)
RN 119735-83-0 USPATFULL
CN Acetic acid, [[[1-(2-amino-4-thiazolyl)-2-[[1-[[[[4-[((1,4-dihydro-5-hydroxy-4-oxo-2-pyridinyl)carbonyl]amino]-1-piperazinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]amino]-2-oxoethylidene]amino]oxy]-, [S-(Z)]- (9CI) (CA INDEX NAME)

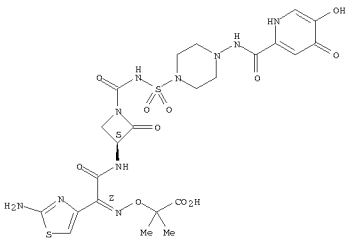
Absolute stereochemistry.
Double bond geometry as shown.



RN 119735-84-1 USPATFULL
CN Propanoic acid, 2-[[[1-(2-amino-4-thiazolyl)-2-[[1-[[[[4-[((1,4-dihydro-5-hydroxy-4-oxo-2-pyridinyl)carbonyl]amino]-1-piperazinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]amino]-2-oxoethylidene]amino]oxy]-2-methyl-, [S-(Z)]- (9CI) (CA INDEX NAME)

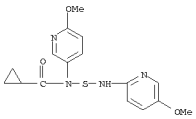
L37 ANSWER 12 OF 24 USPATFULL on STN (Continued)

Absolute stereochemistry.
Double bond geometry as shown.



L37 ANSWER 13 OF 24 USPATFULL on STN
AN 90:25780 USPATFULL
TI Fungicidal pyridyl cyclopropane carboximides
IN Baker, Don R., Orinda, CA, United States
Kezerian, Charles, Orinda, CA, United States
Brownell, Keith H., San Jose, CA, United States
PA ICI Americas Inc., Wilmington, DE, United States (U.S. corporation)
PI US-----4914115 19900403 <--
AI 1988US-000193620 19880513 (7) <--
RLI Division of Ser. No. 1987US-000036545, filed on 15 Apr 1987, now patented, Pat. No. US-----4767772 which is a continuation-in-part of Ser. No. 1987US-000029303, filed on 23 Mar 1987, now abandoned which is a continuation of Ser. No. 1986US-000859169, filed on 2 May 1986, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Rotman, Alan L.
LREP Bradley, Michael J.
CLMN Number of Claims: 9
ECL Exemplary Claim: 1,6
DRWN No Drawings
LN.CNT 444
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Novel fungicidal pyridyl cyclopropane carboxamides having the general structural formula ##STR1## wherein R is selected from the group consisting of cycloalkyl, preferably cyclopropyl, hydrogen, alkyl, haloalkyl, substituted alkyl, aryl, substituted aryl, heteroalkyl, alkenyl, OR.sub.1, SR.sub.1 and ##STR2## wherein n is 0-10, preferably 0-2, and R.sub.1 is C.sub.1 -C.sub.4 alkyl, and R.sub.2 is selected from the group consisting of halogen such as chlorine, fluorine and bromine, preferably chlorine, C.sub.1 -C.sub.3 alkoxy such as propoxyethoxy and methoxy, preferably methoxy and C.sub.1 -C.sub.3 haloalkoxy, R.sub.3 is selected from the group consisting of hydrogen and methyl, X is --O or --S and Y is --O or --S; and fungicidally acceptable organic and inorganic salts thereof which are highly effective fungicides for use both as preventive and curative fungicides are disclosed herein.

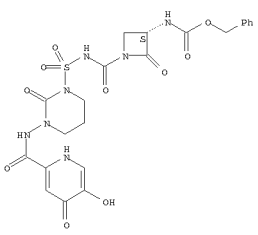
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 112959-87-2P
(preparation of, as agrochem. fungicide)
RN 112959-87-2 USPATFULL
CN Cyclopropanecarboxamide, N-(6-methoxy-3-pyridinyl)-N-[[(5-methoxy-2-pyridinyl)amino]thio]- (CA INDEX NAME)



L37 ANSWER 14 OF 24 USPATFULL on STN
AN 89:82715 USPATFULL
TI 2-Oxo-1-[((substituted sulfonyl)amino)-carbonyl]azetidines
IN Ermann, Peter H., Donaustauf, Germany, Federal Republic of
PA E. R. Squibb & Sons, Inc., Princeton, NJ, United States (U.S. corporation)
PI US-----4871841 19891003 <--
AI 1987US-000137265 19871223 (7) <--
DT Utility
FS Granted
EXNAM Primary Examiner: Berch, Mark L.
LREP Gaul Timothy J., Barrack, Donald J.
CLMN Number of Claims: 12
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1101
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Antibacterial activity is exhibited by 2-azetidinones having a 3-acylamino substituent and having an activating group in the 1-position of the formula ##STR1## wherein R.sub.4 is ##STR2## wherein A.sub.1 is a single bond, ##STR3## --NH-- or ##STR4## A.sub.2 is a single bond, --NH--, --CH.sub.2 --CH.sub.2 --NH-- or ##STR5## A.sub.3 is a single bond, --CH.dbd.CH--, --(CH.sub.2).sub.t --, --NH--(CH.sub.2).sub.p -- or ##STR6## wherein t is 1, 2, 3 or 4 and p is 0 or 1; and A.sub.4 is a single bond --CH.sub.2 --, --NH--CH.sub.2 --, or --N.dbd.CH--.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 123981-17-9P 123981-19-1P
(preparation and reaction of, in preparation of oxo[(substituted sulfonyl)aminocarbonyl]azetidine antibiotics)
RN 123981-17-9 USPATFULL
CN Carbamic acid, [1-[[[3-[[(1,4-dihydro-5-hydroxy-4-oxo-2-pyridinyl)carbonyl]amino]tetrahydro-2-oxo-1(2H)-pyrimidinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]-, phenylmethyl ester, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

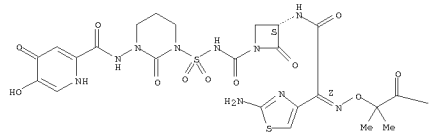


RN 123981-19-1 USPATFULL
CN Propanoic acid, 2-[[[1-(2-amino-4-thiazolyl)-2-[(1-[[[3-[((1,4-dihydro-5-hydroxy-4-oxo-2-pyridinyl)carbonyl]amino]tetrahydro-2-oxo-1(2H)-pyrimidinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]amino]-2-oxoethylidene]amino]oxy]-2-methyl-, diphenylmethyl ester, [S-(Z)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

L37 ANSWER 14 OF 24 USPATFULL on STN (Continued)

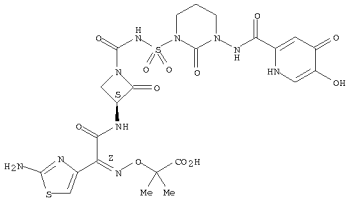
PAGE 1-A



PAGE 1-B

IT 123981-13-5P 124040-91-1P
(preparation of, as antibiotic)
RN 123981-13-5 USPATFULL
CN Propanoic acid, 2-[[[1-(2-amino-4-thiazolyl)-2-[(1-[[[3-[((1,4-dihydro-5-hydroxy-4-oxo-2-pyridinyl)carbonyl]amino]tetrahydro-2-oxo-1(2H)-pyrimidinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]amino]-2-oxoethylidene]amino]oxy]-2-methyl-, [S-(Z)]- (9CI) (CA INDEX NAME)

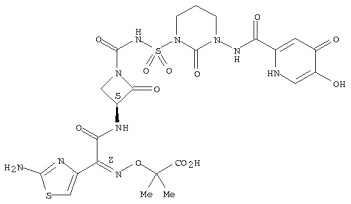
Absolute stereochemistry.
Double bond geometry as shown.



RN 124040-91-1 USPATFULL
CN Propanoic acid, 2-[[[1-(2-amino-4-thiazolyl)-2-[(1-[[[3-[((1,4-dihydro-5-hydroxy-4-oxo-2-pyridinyl)carbonyl]amino]tetrahydro-2-oxo-1(2H)-pyrimidinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]amino]-2-oxoethylidene]amino]oxy]-2-methyl-, disodium salt, [S-(Z)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

L37 ANSWER 14 OF 24 USPATFULL on STN (Continued)

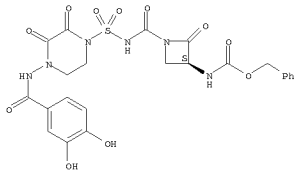


●2 Na

L37 ANSWER 15 OF 24 USPATFULL on STN
AN 89:7671 USPATFULL
TI 2-oxo-1-(((substituted sulfonyl)amino)-carbonyl)azetidines
IN Breuer, Hermann, Schoenhofen, Germany, Federal Republic of
Drossard, Jakob-Matthias, Regensburg, Germany, Federal Republic of
Ermann, Peter H., Donaustauf, Germany, Federal Republic of
Straub, Henner, Regensburg, Germany, Federal Republic of
Treuner, Uwe D., Etterzhausen, Germany, Federal Republic of
PA E. R. Squibb & Sons, Inc., Princeton, NJ, United States (U.S. corporation)
PI US-----4801705 19890131 <--
AI 1986US-0008775?9 19860623 (6) <--
DT Utility
FS Granted
EXNAM Primary Examiner: Berch, Mark L.
LREP Levinson, Lawrence S., Barrack, Donald J.
CLMN Number of Claims: 15
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 3351
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Antibacterial activity is exhibited by β-lactams having a 3-acylamino substituent and having in the 1-position an activating group of the formula ##STR1## wherein R is

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 114874-95-2P 114874-97-4P 114874-98-5P
(preparation and reaction of, in synthesis of azetidinone antibacterials)
RN 114874-95-2 USPATFULL
CN Carbamic acid, [1-[[[[4-[(3,4-dihydroxybenzoyl)amino]-2,3-dioxo-1-piperazinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]-, phenylmethyl ester, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



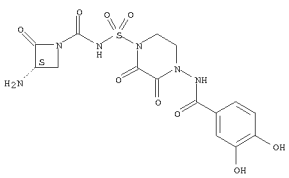
RN 114874-97-4 USPATFULL
CN 1-Azetidinecarboxamide, 3-amino-N-[[4-[(3,4-dihydroxybenzoyl)amino]-2,3-dioxo-1-piperazinyl]sulfonyl]-2-oxo-, (S)-, mono(trifluoroacetate) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 114874-96-3
CMF C15 H16 N6 O9 S
CDES 1:S

Absolute stereochemistry.

L37 ANSWER 15 OF 24 USPATFULL on STN (Continued)

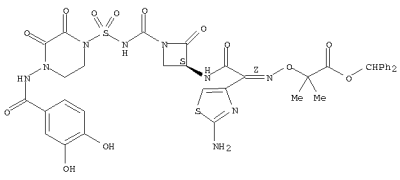


CM 2

CRN 76-05-1
CMF C2 H F3 O2

RN 114874-98-5 USPATFULL
CN Propanoic acid, 2-[[[1-(2-amino-4-thiazolyl)-2-[[1-[[[4-[(3,4-dihydroxybenzoyl)amino]-2,3-dioxo-1-piperazinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]amino]-2-oxoethylidene]amino]oxy]-2-methyl-, diphenylmethyl ester, [S-(Z)]- (9CI) (CA INDEX NAME)

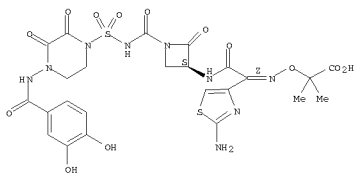
Absolute stereochemistry.
Double bond geometry as shown.



IT 114830-68-1P
(preparation of, as antibacterial)
RN 114830-68-1 USPATFULL
CN Propanoic acid, 2-[[[1-(2-amino-4-thiazolyl)-2-[[1-[[[4-[(3,4-dihydroxybenzoyl)amino]-2,3-dioxo-1-piperazinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]amino]-2-oxoethylidene]amino]oxy]-2-methyl-, disodium salt, [S-(Z)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

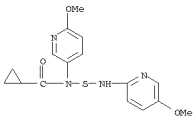
L37 ANSWER 15 OF 24 USPATFULL on STN (Continued)



●2 Na

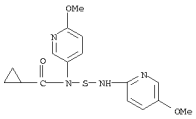
L37 ANSWER 16 OF 24 USPATFULL on STN
AN 88:55566 USPATFULL
TI Fungicidal pyridyl cyclopropane carboximides
IN Baker, Don R., Orinda, CA, United States
Kezerian, Charles, Orinda, CA, United States
Brownell, Keith H., San Jose, CA, United States
PA Stauffer Chemical Co., Westport, CT, United States (U.S. corporation)
PI US-----4767772 19880830 <--
AI 1987US-000036545 19870415 (7) <--
RLI Continuation-in-part of Ser. No. 1987US-000029103, filed on 23 Mar 1987, now abandoned which is a continuation of Ser. No. 1986US-000859169, filed on 2 May 1986, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Rotman, Alan L.
LREP Bradley, Michael J.
CLMN Number of Claims: 9
ECL Exemplary Claim: 1,9
DRWN No Drawings
LN.CNT 432
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Novel fungicidal pyridyl cyclopropane carboxamides having the general structural formula ##STR1## wherein R is selected from the group consisting of cycloalkyl, preferably cyclopropyl, hydrogen, alkyl, haloalkyl, substituted alkyl, aryl, substituted aryl, heteroalkyl, alkenyl, OR.sub.1, SR.sub.1 and ##STR2## wherein n is 0-10, preferably 0-2, and R.sub.1 is C.sub.1 -R.sub.4 alkyl, and R.sub.2 is selected from the group consisting of halogen such as chlorine, fluorine and bromine, preferably chlorine, C.sub.1 -C.sub.3 alkoxy such as propoxyethoxy and methoxy, preferably methoxy and C.sub.1 -C.sub.3 haloalkoxy, R.sub.3 is selected from the group consisting of hydrogen and methyl, X is --O or --S and Y is --O or --S; and fungicidally acceptable organic and inorganic salts thereof which are highly effective fungicides for use both as preventive and curative fungicides are disclosed herein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 112959-87-2P
(preparation of, as agrochem. fungicide)
RN 112959-87-2 USPATFULL
CN Cyclopropanecarboxamide, N-(6-methoxy-3-pyridinyl)-N-[[(5-methoxy-2-pyridinyl)amino]thio]- (CA INDEX NAME)



L37 ANSWER 17 OF 24 USPATFULL on STN
AN 88:53821 USPATFULL
TI Fungicidal N-(substituted thio)-pyridyl cyclopropane carboxamides
IN Baker, Don R., Orinda, CA, United States
Brownell, Keith H., San Jose, CA, United States
PA Stauffer Chemical Co., Westport, CT, United States (U.S. corporation)
PI US-----4766135 19880823 <--
AI 1987US-000036544 19870415 (7) <--
RLI Continuation-in-part of Ser. No. 1986US-000029115, filed on 23 Mar 1986, now abandoned which is a continuation of Ser. No. 1986US-000859170, filed on 2 May 1986, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Rotman, Alan L.
LREP Bradley, Michael J.
CLMN Number of Claims: 9
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 403
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Novel fungicidal pyridyl cyclopropane carboxamides having the general structural formula ##STR1## wherein R is selected from the group consisting of haloalkyl, preferably C.sub.1 -C.sub.3 haloalkyl, C.sub.1 -C.sub.8 alkyl, aryl, substituted aryl, and arylalkyl wherein the preferred aryl is phenyl, the alkyl is C.sub.1 -C.sub.3 alkyl and the preferred substitutions are Cl, Br, F and nitro, alkanoyl, preferably C.sub.1 -C.sub.4 alkanoyl, ##STR2## wherein R.sub.3 and R.sub.4 can be alkyl, alkanoyl, alkoxycarbanoyl, benzyl pyridyl and substituted pyridyl, R.sub.1 is C.sub.1 -C.sub.3 alkoxy or C.sub.1 -C.sub.3 haloalkoxy, preferably methoxy or halomethoxy and halogen wherein the halogen is chlorine, bromine or fluorine, R.sub.2 is hydrogen or methyl, and fungicidally acceptable organic and inorganic salts thereof which are highly effective fungicides for use both as preventive and curative fungicides are disclosed herein. These compounds provide excellent control of fungal growth.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 112959-87-2P
(preparation of, as agrochem. fungicide)
RN 112959-87-2 USPATFULL
CN Cyclopropanecarboxamide, N-(6-methoxy-3-pyridinyl)-N-[[(5-methoxy-2-pyridinyl)amino]thio]- (CA INDEX NAME)



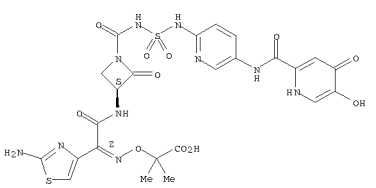
L37 ANSWER 18 OF 24 USPATFULL on STN
AN 88:50389 USPATFULL
TI 2-oxo-1-[((substituted sulfonyl)amino)-carbonyl]azetidines
IN Breuer, Hermann, Schoenhofen, Germany, Federal Republic of
Treuner, Uwe D., Etterzhausen, Germany, Federal Republic of
PA Squibb Corporation, Princeton, NJ, United States (U.S. corporation)
PI US-----4762922 19880809 <--
AI 1987US-000070286 19870701 (7) <--
DT Utility
FS Granted
EXNAM Primary Examiner: Berch, Mark L.
LREP Levinson, Lawrence S., Barrack, Donald J.
CLMN Number of Claims: 25
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 929
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Antibacterial activity is exhibited by 2-azetidinones having a 3-acylamino substituent and having an activating group in the 1-position of the formula ##STR1## wherein R is ##STR2## A.sub.1 is --NH-- or ##STR3## A.sub.2 is ##STR4## or --CH.dbd.CH--.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 119261-92-6P
(preparation and conversion to disodium salt)
RN 119261-92-6 USPATFULL
CN Propanoic acid, 2-[[[1-(2-amino-4-thiazolyl)-2-[[1-[[[[5-[[(1,4-dihydro-5-hydroxy-4-oxo-2-pyridinyl]carbonyl]amino]-2-pyridinyl]amino]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]amino]-2-oxoethylidene]amino]oxy]-2-methyl-, (S-(Z))-, mono(trifluoroacetate) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 119261-91-5
CMF C24 H24 N10 O11 S2

Absolute stereochemistry.
Double bond geometry as shown.



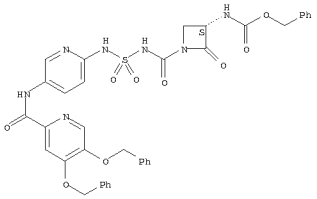
CM 2

CRN 76-05-1
CMF C2 H F3 O2

IT 119261-87-9P 119261-90-4P
(preparation and deprotection of)
RN 119261-87-9 USPATFULL

L37 ANSWER 18 OF 24 USPATFULL on STN (Continued)
CN Carbamic acid, [1-[[[[5-[[[4,5-bis(phenylmethoxy)-2-pyridinyl]carbonyl]amino]-2-pyridinyl]amino]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]-, phenylmethyl ester, (S)- (9CI) (CA INDEX NAME)

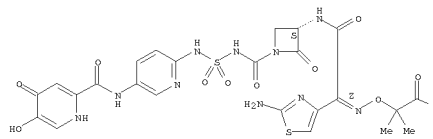
Absolute stereochemistry.



RN 119261-90-4 USPATFULL
CN Propanoic acid, 2-[[[1-(2-amino-4-thiazolyl)-2-[[1-[[[[5-[[(1,4-dihydro-5-hydroxy-4-oxo-2-pyridinyl)carbonyl]amino]-2-pyridinyl]amino]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]amino]-2-oxoethylidene]amino]oxy]-2-methyl-, diphenylmethyl ester, [S-(Z)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A



PAGE 1-B

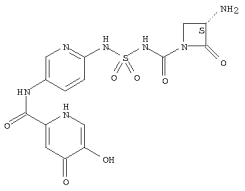
IT 119261-89-1P
(preparation and silylation with bistrimethylsilylacetamide)
RN 119261-89-1 USPATFULL
CN 2-Pyridinecarboxamide, N-[6-[[[[(3-amino-2-oxo-1-azetidinyl)carbonyl]amino]sulfonyl]amino]-3-pyridinyl]-1,4-dihydro-5-hydroxy-4-oxo-, (S)-, bis(trifluoroacetate) (salt) (9CI) (CA INDEX NAME)

L37 ANSWER 18 OF 24 USPATFULL on STN (Continued)

CM 1

CRN 119261-88-0
CMF C15 H15 N7 O7 S
CDES 1:S

Absolute stereochemistry.



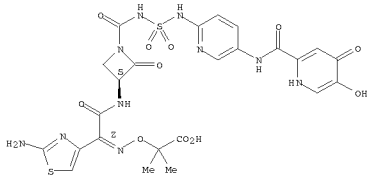
CM 2

CRN 76-05-1
CMF C2 H F3 O2

IT 119261-93-7P 119261-94-8P
(preparation of, as antibacterial)
RN 119261-93-7 USPATFULL
CN Propanoic acid, 2-[[[1-(2-amino-4-thiazolyl)-2-[[1-[[[[5-[[(1,4-dihydro-5-hydroxy-4-oxo-2-pyridinyl)carbonyl]amino]-2-pyridinyl]amino]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]amino]-2-oxoethylidene]amino]oxy]-2-methyl-, disodium salt, [S-(Z)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

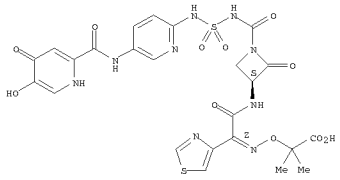
L37 ANSWER 18 OF 24 USPATFULL on STN (Continued)



●2 Na

RN 119261-94-8 USPATFULL
CN Propanoic acid, 2-[[[2-[[1-[[[[5-[[(1,4-dihydro-5-hydroxy-4-oxo-2-pyridinyl)carbonyl]amino]-2-pyridinyl]amino]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]amino]-2-oxo-1-(4-thiazolyl)ethylidene]amino]oxy]-2-methyl-, [S-(Z)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

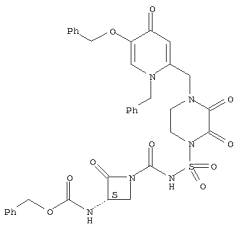


L37 ANSWER 19 OF 24 USPATFULL on STN

AN 88:29507 USPATFULL
TI 2-oxo-1-[[(substituted sulfonyl)amino]carbonyl]azetidines
IN Breuer, Hermann, Schoenhofen, Germany, Federal Republic of
Treuner, Uwe D., Etterzhausen, Germany, Federal Republic of
Koster, William H., Pennington, NJ, United States
Zahler, Robert, Princeton, NJ, United States
PA E. R. Squibb & Sons, Inc., Princeton, NJ, United States (U.S. corporation)
PI US-----4743685 19880510 <--
AI 1986US-000907441 19860915 (6) <--
RLI Continuation-in-part of Ser. No. 1985US-000780479, filed on 26 Sep 1985, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Berch, Mark L.
LREP Levinson, Lawrence S., Barrack, Donald J.
CLMN Number of Claims: 26
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 3290
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Antibacterial activity is exhibited by 2-azetidinones having a 3-acylamino substituent and having an activating group in the 1-position of the formula ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 112334-39-1P 112334-40-4P 112334-41-5P
112334-48-2P 112334-49-3P 112334-50-6P
(preparation and reaction of, in synthesis of antibiotic)
RN 112334-39-1 USPATFULL
CN Carbamic acid, [1-[[[[4-[[1,4-dihydro-4-oxo-5-(phenylmethoxy)-1-(phenylmethyl)-2-pyridinyl]methyl]-2,3-dioxo-1-piperazinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]-, phenylmethyl ester, (S)- (9CI) (CA INDEX NAME)

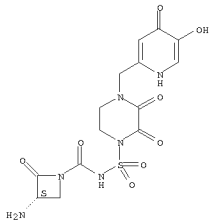
Absolute stereochemistry.



RN 112334-40-4 USPATFULL
CN 1-Azetidinecarboxamide, 3-amino-N-[[4-[(1,4-dihydro-5-hydroxy-4-oxo-2-pyridinyl)methyl]-2,3-dioxo-1-piperazinyl]sulfonyl]-2-oxo-, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

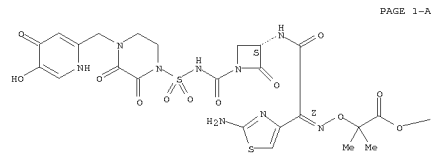
L37 ANSWER 19 OF 24 USPATFULL on STN (Continued)



RN 112334-41-5 USPATFULL
CN Propanoic acid, 2-[[[1-(2-amino-4-thiazolyl)-2-[[1-[[[[4-[(1,4-dihydro-5-hydroxy-4-oxo-2-pyridinyl)methyl]-2,3-dioxo-1-piperazinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]amino]-2-oxoethylidene]amino]oxy]-2-methyl-, diphenylmethyl ester, [S-(Z)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A

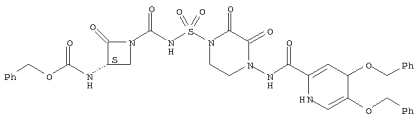


PAGE 1-B

RN 112334-48-2 USPATFULL
CN Carbamic acid, [1-[[[[4-[[(1,4-dihydro-4,5-bis(phenylmethoxy)-2-pyridinyl]carbonyl]amino]-2,3-dioxo-1-piperazinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]-, phenylmethyl ester, (S)- (9CI) (CA INDEX NAME)

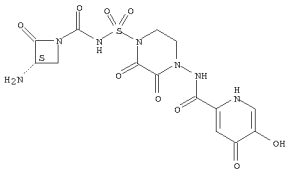
Absolute stereochemistry.

L37 ANSWER 19 OF 24 USPATFULL on STN (Continued)



RN 112334-49-3 USPATFULL
CN 2-Pyridinecarboxamide, N-[4-[[[(3-amino-2-oxo-1-azetidinyl)carbonyl]amino]sulfonyl]-2,3-dioxo-1-piperazinyl]-1,4-dihydro-5-hydroxy-4-oxo-, (S)- (9CI) (CA INDEX NAME)

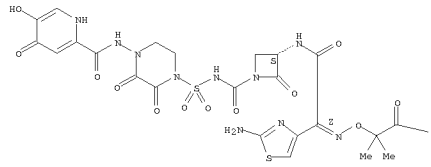
Absolute stereochemistry.



RN 112334-50-6 USPATFULL
CN Propanoic acid, 2-[[[1-(2-amino-4-thiazolyl)-2-[[1-[[[4-[((1,4-dihydro-5-hydroxy-4-oxo-2-pyridinyl)carbonyl]amino]-2,3-dioxo-1-piperazinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]amino]-2-oxoethylidene]amino]oxy]-2-methyl-, diphenylmethyl ester, [S-(Z)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A

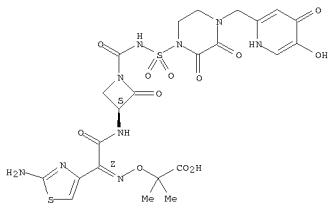


L37 ANSWER 19 OF 24 USPATFULL on STN (Continued)

PAGE 1-B

IT 112333-86-5P 112354-76-4P
(preparation of, as antibiotic)
RN 112333-86-5 USPATFULL
CN Propanoic acid, 2-[[[1-(2-amino-4-thiazolyl)-2-[[1-[[[[4-[(1,4-dihydro-5-hydroxy-4-oxo-2-pyridinyl]methyl]-2,3-dioxo-1-piperazinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]amino]-2-oxoethylidene]amino]oxy]-2-methyl-, disodium salt, [S-(Z)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



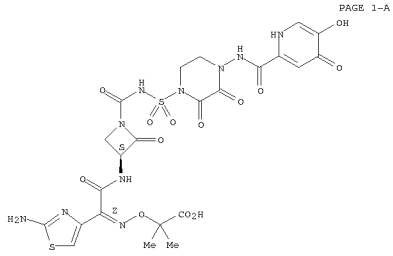
●2 Na

RN 112354-76-4 USPATFULL
CN Propanoic acid, 2-[[[1-(2-amino-4-thiazolyl)-2-[[1-[[[4-[((1,4-dihydro-5-hydroxy-4-oxo-2-pyridinyl)carbonyl]amino]-2,3-dioxo-1-piperazinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]amino]-2-oxoethylidene]amino]oxy]-2-methyl-, disodium salt, [S-(Z)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

L37 ANSWER 19 OF 24 USPATFULL on STN (Continued)

PAGE 1-A

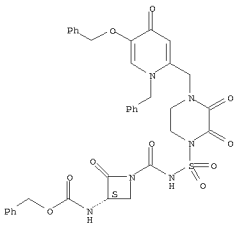


PAGE 2-A

●2 Na

IT 112334-39-1 112334-49-3 112335-12-3
(reaction of, in synthesis of antibiotic)
RN 112334-39-1 USPATFULL
CN Carbamic acid, [1-[[[4-[[1,4-dihydro-4-oxo-5-(phenylmethoxy)-1-(phenylmethyl)-2-pyridinyl]methyl]-2,3-dioxo-1-piperazinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]-, phenylmethyl ester, (S)- (9CI) (CA INDEX NAME)

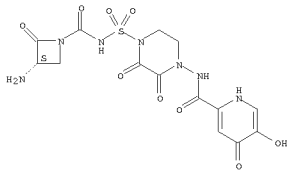
Absolute stereochemistry.



RN 112334-49-3 USPATFULL
CN 2-Pyridinecarboxamide, N-[4-[[[(3-amino-2-oxo-1-azetidinyl)carbonyl]amino]sulfonyl]-2,3-dioxo-1-piperazinyl]-1,4-dihydro-5-hydroxy-4-oxo-, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L37 ANSWER 19 OF 24 USPATFULL on STN (Continued)

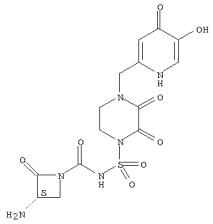


RN 112335-12-3 USPATFULL
CN 1-Azetidinecarboxamide, 3-amino-N-[[4-[(1,4-dihydro-5-hydroxy-4-oxo-2-pyridinyl)methyl]-2,3-dioxo-1-piperazinyl]sulfonyl]-2-oxo-, (S)-, mono(4-methylbenzenesulfonate) (salt) (9CI) (CA INDEX NAME)

CM 1

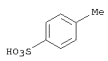
CRN 112334-40-4
CMF C14 H16 N6 O8 S
CDES 1:S

Absolute stereochemistry.



CM 2

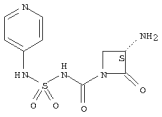
CRN 104-15-4
CMF C7 H8 O3 S



L37 ANSWER 20 OF 24 USPATFULL on STN
AN 86:26411 USPATFULL
TI 2-oxo-1-[[(substituted sulfonyl)amino]-carbonyl]azetidines
IN Breuer, Hermann, Schoenhofen, Germany, Federal Republic of
Slusarchyk, William A., Belle Mead, NJ, United States
Denzel, Theodor, Regensburg, Germany, Federal Republic of
Treuner, Uwe D., Regensburg, Germany, Federal Republic of
PA E. R. Squibb & Sons, Inc., Princeton, NJ, United States (U.S. corporation)
PI US-----4587047 19860506 <--
AI 1982US-000364352 19820401 (6) <--
RLI Continuation-in-part of Ser. No. 1981US-000252672, filed on 9 Apr 1981, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Berch, Mark L.
LREP Levinson, Lawrence S., Barrack, Donald J.
CLMN Number of Claims: 42
ECL Exemplary Claim: 1,31
DRWN No Drawings
LN.CNT 2256
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Antibacterial activity is exhibited by β-lactams having a ##STR1## substituent in the 1-position and an acylamino substituent in the 3-position wherein Z is oxygen or sulfur, and R is alkyl, alkenyl, alkynyl, substituted alkyl, phenyl, substituted phenyl, a 5,6 or 7-membered heterocycle (R.sub.c), phenylalkyl, (substituted phenyl)alkyl, R.sub.c -alkyl or --NR.sub.a R.sub.b wherein R.sub.a and R.sub.b are the same or different and each is hydrogen, alkyl, substituted alkyl, phenyl, substituted phenyl, phenylalkyl, or (substituted phenyl)alkyl or one of R.sub.a and R.sub.b is hydrogen, alkyl, phenyl, substituted phenyl, phenylalkyl or (substituted phenyl)alkyl and the other is amino, alkanoylamino, arylcarbonylamino, alkoxycarbonylamino, alkylsulfonylamino, alkylamino, dialkylamino, phenylamino, (substituted phenyl)amino, hydroxy, cyano, alkoxy, phenyloxy, (substituted phenyl)oxy, phenylalkoxy, (substituted phenyl)alkoxy, R.sub.c, R.sub.c -alkyl, R.sub.c -alkoxy, alkylsulfonyl, alkylmethyleneamino, phenylmethyleneamino or (substituted phenyl)methyleneamino.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 84791-55-9P
(preparation and acylation of)
RN 84791-55-9 USPATFULL
CN 1-Azetidinecarboxamide, 3-amino-2-oxo-N-[(4-pyridinylamino)sulfonyl]-, (S)- (9CI) (CA INDEX NAME)

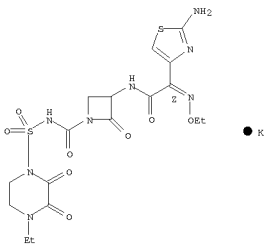
Absolute stereochemistry.



IT 84791-52-6P
(preparation and hydrogenolysis of)
RN 84791-52-6 USPATFULL
CN Carbamic acid, [2-oxo-1-[[[(4-pyridinylamino)sulfonyl]amino]carbonyl]-3-azetidinyl]-, phenylmethyl ester, monosodium salt, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

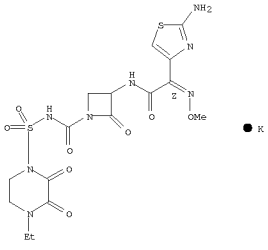
L37 ANSWER 20 OF 24 USPATFULL on STN (Continued)



● K

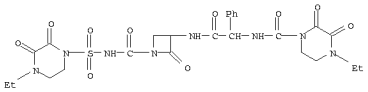
RN 84791-89-9 USPATFULL
CN 4-Thiazoleacetamide, 2-amino-N-[1-[[[(4-ethyl-2,3-dioxo-1-piperazinyl)sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]-α-(methoxyimino)-, monopotassium salt, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



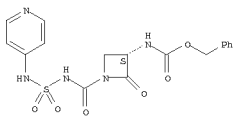
● K

RN 84791-90-2 USPATFULL
CN 1-Piperazinecarboxamide, 4-ethyl-N-[2-[[1-[[[(4-ethyl-2,3-dioxo-1-piperazinyl)sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]amino]-2-oxo-1-phenylethyl]-2,3-dioxo-, monopotassium salt (9CI) (CA INDEX NAME)



● K

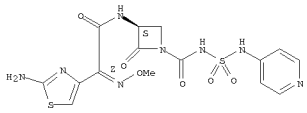
L37 ANSWER 20 OF 24 USPATFULL on STN (Continued)



● Na

IT 84791-56-0P 84791-88-8P 84791-89-9P
84791-90-2P 84791-91-3P 84791-92-4P
84791-93-5P 84791-94-6P 84791-95-7P
84791-96-8P 84791-97-9P 84791-98-0P
84791-99-1P 84792-00-7P 84792-36-9P
84792-37-0P 84792-38-1P 84792-39-2P
84792-40-5P 84804-35-3P
(preparation of)
RN 84791-56-0 USPATFULL
CN 4-Thiazoleacetamide, 2-amino-α-(methoxyimino)-N-[2-oxo-1-[[[(4-pyridinylamino)sulfonyl]amino]carbonyl]-3-azetidinyl]-, [S-(Z)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

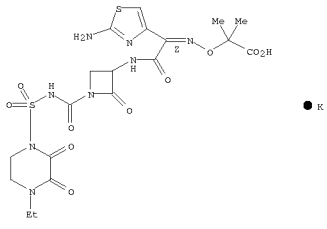


RN 84791-88-8 USPATFULL
CN 4-Thiazoleacetamide, 2-amino-α-(ethoxyimino)-N-[1-[[[(4-ethyl-2,3-dioxo-1-piperazinyl)sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]-, monopotassium salt, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

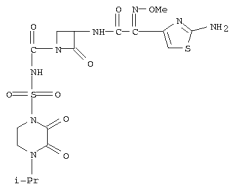
L37 ANSWER 20 OF 24 USPATFULL on STN (Continued)
RN 84791-91-3 USPATFULL
CN Propanoic acid, 2-[[[1-(2-amino-4-thiazolyl)-2-[[1-[[[(4-ethyl-2,3-dioxo-1-piperazinyl)sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]amino]-2-oxoethylidene]amino]oxy]-2-methyl-, monopotassium salt, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



● K

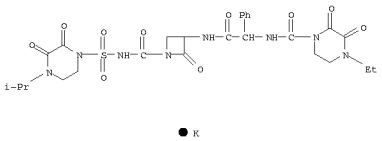
RN 84791-92-4 USPATFULL
CN 4-Thiazoleacetamide, 2-amino-α-(methoxyimino)-N-[1-[[[4-(1-methylethyl)-2,3-dioxo-1-piperazinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]-α-(methoxyimino)-, monopotassium salt, (Z)- (9CI) (CA INDEX NAME)



● K

RN 84791-93-5 USPATFULL
CN 1-Piperazinecarboxamide, 4-ethyl-N-[2-[[1-[[[4-(1-methylethyl)-2,3-dioxo-1-piperazinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]amino]-2-oxo-1-phenylethyl]-2,3-dioxo-, monopotassium salt (9CI) (CA INDEX NAME)

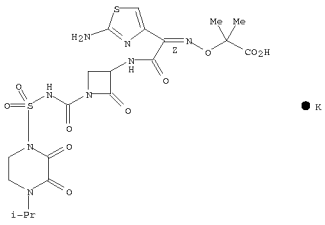
L37 ANSWER 20 OF 24 USPATFULL on STN (Continued)



● K

RN 84791-94-6 USPATFULL
CN Propanoic acid, 2-[[[1-(2-amino-4-thiazolyl)-2-[[1-[[[4-(1-methylethyl)-2,3-dioxo-1-piperazinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]amino]-2-oxoethylidene]amino]oxy]-2-methyl-, monopotassium salt, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

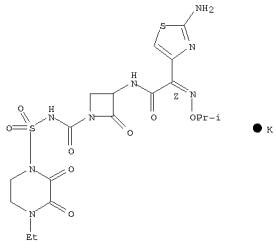


● K

RN 84791-95-7 USPATFULL
CN 4-Thiazoleacetamide, 2-amino-N-[1-[[[(4-ethyl-2,3-dioxo-1-piperazinyl)sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]-α-[(1-methylethoxy)imino]-, monopotassium salt, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

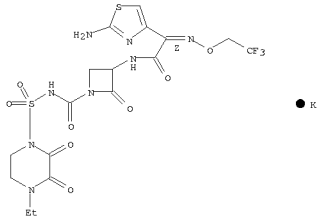
L37 ANSWER 20 OF 24 USPATFULL on STN (Continued)



● K

RN 84791-96-8 USPATFULL
CN 4-Thiazoleacetamide, 2-amino-N-[1-[[[(4-ethyl-2,3-dioxo-1-piperazinyl)sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]-α-[(2,2,2-trifluoroethoxy)imino]-, monopotassium salt, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

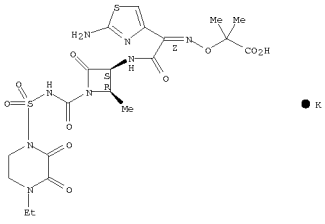


● K

RN 84791-97-9 USPATFULL
CN Propanoic acid, 2-[[[1-(2-amino-4-thiazolyl)-2-[[1-[[[(4-ethyl-2,3-dioxo-1-piperazinyl]sulfonyl]amino]carbonyl]-2-methyl-4-oxo-3-azetidinyl]amino]-2-oxoethylidene]amino]oxy]-2-methyl-, monopotassium salt, [2α,3α(Z)]- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

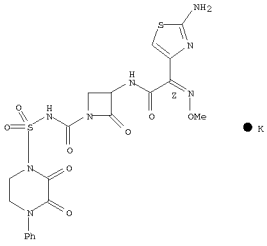
L37 ANSWER 20 OF 24 USPATFULL on STN (Continued)



● K

RN 84791-98-0 USPATFULL
CN 4-Thiazoleacetamide, 2-amino-N-[1-[[[(2,3-dioxo-4-phenyl-1-piperazinyl)sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]-α-(methoxyimino)-, monopotassium salt, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

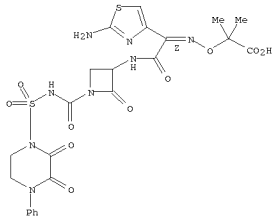


● K

RN 84791-99-1 USPATFULL
CN Propanoic acid, 2-[[[1-(2-amino-4-thiazolyl)-2-[[1-[[[(2,3-dioxo-4-phenyl-1-piperazinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]amino]-2-oxoethylidene]amino]oxy]-2-methyl-, monopotassium salt, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

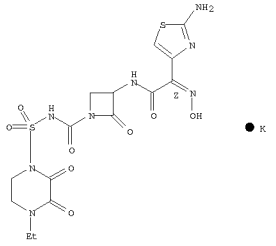
L37 ANSWER 20 OF 24 USPATFULL on STN (Continued)



● K

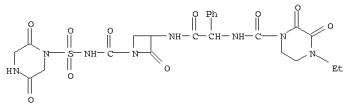
RN 84792-00-7 USPATFULL
CN 4-Thiazoleacetamide, 2-amino-N-[1-[[[(4-ethyl-2,3-dioxo-1-piperazinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]-α-(hydroxyimino)-, monopotassium salt, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



● K

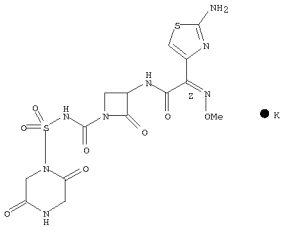
RN 84792-36-9 USPATFULL
CN 1-Piperazinecarboxamide, N-[2-[[1-[[[(2,5-dioxo-1-piperazinyl]sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]amino]-2-oxo-1-phenylethyl]-4-ethyl-2,3-dioxo-, monopotassium salt (9CI) (CA INDEX NAME)



● K

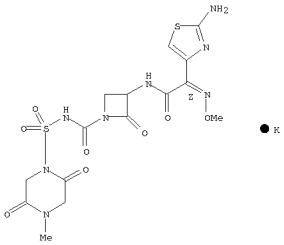
L37 ANSWER 20 OF 24 USPATFULL on STN (Continued)
RN 84792-37-0 USPATFULL
CN 4-Thiazoleacetamide, 2-amino-N-[1-[[[(2,5-dioxo-1-piperazinyl)sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]-α-(methoxyimino)-, monopotassium salt, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



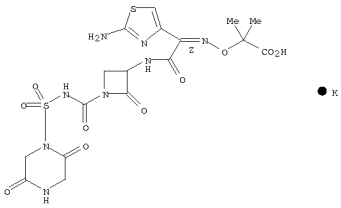
RN 84792-38-1 USPATFULL
CN 4-Thiazoleacetamide, 2-amino-α-(methoxyimino)-N-[1-[[[(4-methyl-2,5-dioxo-1-piperazinyl)sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]-, monopotassium salt, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

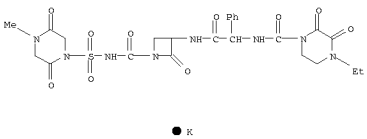


RN 84792-39-2 USPATFULL
CN 1-Piperazinecarboxamide, 4-ethyl-N-[2-[[1-[[[(4-methyl-2,5-dioxo-1-piperazinyl)sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]amino]-2-oxo-1-phenylethyl]-2,3-dioxo-, monopotassium salt (9CI) (CA INDEX NAME)

L37 ANSWER 20 OF 24 USPATFULL on STN (Continued)

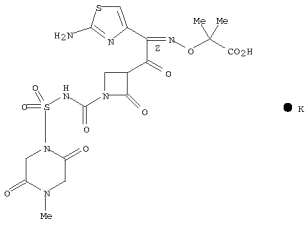


L37 ANSWER 20 OF 24 USPATFULL on STN (Continued)



RN 84792-40-5 USPATFULL
CN Propanoic acid, 2-[[[1-(2-amino-4-thiazolyl)-2-[1-[[[(4-methyl-2,5-dioxo-1-piperazinyl)sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]-2-oxoethylidene]amino]oxy]-2-methyl-, monopotassium salt, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 84804-35-3 USPATFULL
CN Propanoic acid, 2-[[[1-(2-amino-4-thiazolyl)-2-[[1-[[[(2,5-dioxo-1-piperazinyl)sulfonyl]amino]carbonyl]-2-oxo-3-azetidinyl]amino]-2-oxoethylidene]amino]oxy]-2-methyl-, monopotassium salt, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

L37 ANSWER 21 OF 24 USPAT2 on STN
AN 2004:280871 USPAT2
TI Uracil substituted phenyl sulfamoly carboxamides
IN Carlsen, Marianne, Yardley, PA, United States
Guaciaro, Michael Anthony, Hightstown, NJ, United States
Takasugi, James Jan, Lawrenceville, NJ, United States
PA BASF Aktiengesellschaft, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)
PI US------6849618 B2 20050201
AI 2003US-000684940 20031015 (10)
RLI Division of Ser. No. 2003US-000347920, filed on 22 Jan 2003, now patented, Pat. No. US------6689773 Division of Ser. No. 2001US-000848881, filed on 4 May 2001, now patented, Pat. No. US------6534492
PRAI 2000US-0002018240P 20000504 (60) <--
DT Utility
FS GRANTED
EXNAM Primary Examiner: Raymond, Richard L.; Assistant Examiner: Patel, Sudhaker B.
LREP Keil & Weinkauf
CLMN Number of Claims: 14
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 2292
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Novel uracil substituted phenyl sulfamoyl carboxamides I ##STR1##

and salts thereof, where

A=oxygen or sulfur;

X.sup.1=H, halogen, C.sub.1-C.sub.4-alkyl;

X.sup.2=H, CN, CS--NH.sub.2, halogen, C.sub.1-C.sub.4-alkyl, C.sub.1-C.sub.4-haloalkyl;

X.sup.3=H, CN, C.sub.1-C.sub.6-alkyl, C.sub.1-C.sub.6-alkoxyalkyl, C.sub.3-C.sub.7-cycloalkyl, C.sub.3-C.sub.6-alkenyl, C.sub.3-C.sub.6-alkynyl, optionally substituted benzyl;

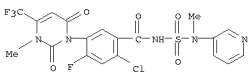
R.sup.1, R.sup.2=H, halogen, optionally substituted hydroxy, C.sub.1-C.sub.10-alkyl, C.sub.2-C.sub.10-alkenyl, C.sub.3-C.sub.10-alkynyl, C.sub.3-C.sub.7-cycloalkyl, phenyl, benzyl or C.sub.5-C.sub.7-cycloalkenyl,

or R.sup.1+R.sup.2 together with the atom to which they are attached form a 3- to 7-membered heterocyclic ring;

Q is selected from Q.sup.1 to Q.sup.40 as defined in the description.

Use: As herbicides; for the desiccation/defoliation of plants.

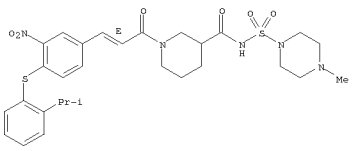
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 372137-32-1P
(preparation of uracil substituted N-sulfamoyl benzamides as herbicides)
RN 372137-32-1 USPAT2
CN Benzamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-[(methyl-3-pyridinylamino)sulfonyl]- (CA INDEX NAME)



L37 ANSWER 22 OF 24 USPAT2 on STN
AN 2004:152296 USPAT2
TI Cell adhesion-inhibiting antiinflammatory and immune-suppressive compounds
IN Gunawardana, Indrani W., Libertyville, IL, United States
PA Abbott Laboratories, Abbott Park, IL, United States (U.S. corporation)
PI US-----6867203 B2 20050315
AI 2003US-000725212 20031201 (10)
RLI Continuation of Ser. No. 2000US-000695040, filed on 24 Oct 2000, now abandoned Continuation-in-part of Ser. No. 2000US-000541795, filed on 31 Mar 2000 Continuation-in-part of Ser. No. 1999US-000474517, filed on 29 Dec 1999, now abandoned
PRAI 1998US-000114097P 19981229 (60) <--
DT Utility
FS GRANTED
EXNAM Primary Examiner: Raymond, Richard L.; Assistant Examiner: Patel, Sudhaker B.
LREP Finnegan, Henderson, Farabow, Garrett & Dunner LLP
CLMN Number of Claims: 7
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 9497
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to novel cinnamide compounds that are useful for treating inflammatory and immune diseases and cerebral vasospasm, to pharmaceutical compositions containing these compounds, and to methods of inhibiting inflammation or suppressing immune response in a mammal.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 280750-91-6P
(preparation of (phenylthio)cinnamides as cell adhesion inhibitors by coupling of thiophenols with halobenzaldehydes, conversion to cinnamic acids, amidation, and optional derivatization)
RN 280750-91-6 USPAT2
CN 3-Piperidinecarboxamide, 1-[(2E)-3-[4-[[2-(1-methylethyl)phenyl]thio]-3-nitrophenyl]-1-oxo-2-propenyl]-N-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L37 ANSWER 23 OF 24 USPAT2 on STN
AN 2003:319192 USPAT2
TI Uracil substituted phenyl sulfamoyl carboxamides
IN Carlsen, Marianne, Yardley, PA, United States
Guaciaro, Michael Anthony, Hightstown, NJ, United States
Takasugi, James Jan, Lawrenceville, NJ, United States
PA BASF Aktiengesellschaft, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)
PI US-----6689773 B2 20040210
AI 2003US-000347920 20030122 (10)
RLI Division of Ser. No. 2001US-000848881, filed on 4 May 2001, now patented, Pat. No. US-----6534492
PRAI 2000US-000201824P 20000504 (60) <--
DT Utility
FS GRANTED
EXNAM Primary Examiner: Shah, Mukund J.; Assistant Examiner: Patez, Sudhaker B.
LREP Keil & Weinkauf
CLMN Number of Claims: 11
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 2191
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Novel uracil substituted phenyl sulfamoyl carboxamides I ##STR1##

and salts thereof, where

A=oxygen or sulfur;

X.sup.1=H, halogen, C.sub.1-C.sub.4-alkyl;

X.sup.2=H, CN, CS--NH.sub.2, halogen, C.sub.1-C.sub.4-alkyl, C.sub.1-C.sub.4-haloalkyl;

X.sup.3=H, CN, C.sub.1-C.sub.6-alkyl, C.sub.1-C.sub.6-alkoxyalkyl, C.sub.3-C.sub.7-cycloalkyl, C.sub.3-C.sub.6-alkenyl, C.sub.3-C.sub.6-alkynyl, optionally substituted benzyl;

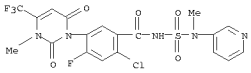
R.sup.1, R.sup.2=H, halogen, optionally substituted hydroxy, C.sub.1-C.sub.10-alkyl, C.sub.2-C.sub.10-alkenyl, C.sub.3-C.sub.10-alkynyl, C.sub.3-C.sub.7-cycloalkyl, phenyl, benzyl or C.sub.5-C.sub.7-cycloalkenyl,

or R.sup.1+R.sup.2 together with the atom to which they are attached form a 3- to 7-membered heterocyclic ring;

Q is selected from Q.sup.1 to Q.sup.40 as defined in the description.

Use: As herbicides; for the desiccation/defoliation of plants.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 372137-32-1P
(preparation of uracil substituted N-sulfamoyl benzamides as herbicides)
RN 372137-32-1 USPAT2
CN Benzamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-[(methyl-3-pyridinylamino)sulfonyl]- (CA INDEX NAME)



L37 ANSWER 24 OF 24 USPAT2 on STN
AN 2002:85508 USPAT2
TI Uracil substituted phenyl sulfamoyl carboxamides
IN Carlsen, Marianne, Yardley, PA, United States
Guaciaro, Michael Anthony, Hightstown, NJ, United States
Takasugi, James Jan, Lawrenceville, NJ, United States
PA BASF Aktiengesellschaft, Ludwigshaften, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)
PI US-----6534492 B2 20030318
AI 2001US-000848881 20010504 (9) <--
PRAI 2000US-000201824P 20000504 (60) <--
DT Utility
FS GRANTED
EXNAM Primary Examiner: Shah, Mukund J.; Assistant Examiner: Patel, Sudhaker B.
LREP Keil & Weinkauf
CLMN Number of Claims: 12
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 2209
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Novel uracil substituted phenyl sulfamoyl carboxamides I ##STR1##

and salts thereof, where

A=oxygen or sulfur;

X.sup.1=H, halogen, C.sub.1-C.sub.4-alkyl;

X.sup.2=H, CN, CS--NH.sub.2, halogen, C.sub.1-C.sub.4-alkyl, C.sub.1-C.sub.4-haloalkyl;

X.sup.3=H, CN, C.sub.1-C.sub.6-alkyl, C.sub.1-C.sub.6-alkoxyalkyl, C.sub.3-C.sub.7-cycloalkyl, C.sub.3-C.sub.6-alkenyl, C.sub.3-C.sub.6-alkynyl, optionally substituted benzyl;

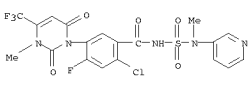
R.sup.1, R.sup.2=H, halogen, optionally substituted hydroxy, C.sub.1-C.sub.10-alkyl, C.sub.2-C.sub.10-alkenyl, C.sub.3-C.sub.10-alkynyl, C.sub.3-C.sub.7-cycloalkyl, phenyl, benzyl or C.sub.5-C.sub.7-cycloalkenyl,

or R.sup.1+R.sup.2 together with the atom to which they are attached form 3- to 7-membered heterocyclic ring;

Q is selected from Q.sup.1 to Q.sup.40 as defined in the description.

Use: As herbicides; for the desiccation/defoliation of plants.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 372137-32-1P
(preparation of uracil substituted N-sulfamoyl benzamides as herbicides)
RN 372137-32-1 USPAT2
CN Benzamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-[(methyl-3-pyridinylamino)sulfonyl]- (CA INDEX NAME)



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=> d his


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L1            1 US20060052393/PN

     FILE 'REGISTRY' ENTERED AT 14:34:13 ON 15 MAY 2008

     FILE 'HCAPLUS' ENTERED AT 14:34:13 ON 15 MAY 2008
L2               TRA L1 1- RN :       25 TERMS

     FILE 'REGISTRY' ENTERED AT 14:34:13 ON 15 MAY 2008
L3           25 SEA L2
L4              STR
L5           50 L4
L6         3927 L4 FULL
                SAV TEM L6 J259C1R/A
L7              STR L4
L8            2 L7 SAM SUB=L6
L9           40 L7 FULL SUB=L6
                SAV TEM L9 JC1NR/A
L10             STR L4
L11           1 L10 SAM SUB=L6
L12         122 L10 FULL SUB=L6
                SAV TEM J259C1N2R/A L12
L13          17 L9,L12 AND L3
L14          33 L9 NOT L13
L15         112 L12 NOT L13

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L18           0 L15

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L19           1 L13
L20          14 L14
L21          35 L15
L22          10 L20 AND (PD<=20021104 OR AD<=20021104 OR PRD<=20021104)
L23           9 L20 AND PD<=20011104
L24          13 L21 AND (PD<=20020328 OR AD<=20020328 OR PRD<=20020328)
L25          12 L21 AND PD<=20010328
L26          22 L22-25
                SEL HIT RN

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L28           2 L27 AND (C41H47F4N5O3S OR C12H17N3O3S)

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L29           2 L28 AND L26

     FILE 'USPATFULL, USPATOLD, USPAT2' ENTERED AT 15:10:33 ON 15 MAY 2008
L30           1 L13
L31          16 L14
L32          36 L15
L33          13 L31 AND (PD<=20021104 OR AD<=20021104 OR PRD<=20021104)
L34           7 L33 AND PD<=20011104
L35          12 L32 AND (PD<=20020328 OR AD<=20020328 OR PRD<=20020328)
L36           8 L32 AND PD<=20010328
L37          24 L33-36

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